

|    | Type | Ref # | Hits    | Search Text   |
|----|------|-------|---------|---|
| 1  | BRS  | S5    | 14      | ("6,608,949" "6,556,599" "6,526,071"<br>"6,493,129" "6,345,059" "6,339,603"<br>"6,282,215" "6,141,360" "6031852"<br>"5,923,685" "5,724,373" "5,140,599"<br>"4,707,835" "5,894,492").pn. |
| 2  | BRS  | S6    | 1       | S3 and (reson\$5 same (oscil\$7 mod\$4<br>gain\$2 amplif\$6)) and grating\$2 and<br>(acoust\$6 same (dopp\$4 shift\$5<br>frequenc\$4))  |
| 3  | BRS  | S7    | 1       | S3 and (doppl\$4 near14 (shift\$5<br>opposi\$4))  |
| 4  | BRS  | S8    | 35270   | reson\$5 near7 (cavit\$5 mod\$4) same<br>mod\$4   |
| 5  | BRS  | S9    | 136564  | (adjust\$5 tun\$4) near16 (reson\$5<br>mod\$2)  |
| 6  | BRS  | S10   | 3627998 | (half-wave halfwave plate\$2)   |
| 7  | BRS  | S11   | 1376004 | (gain\$4 amplif\$5)   |
| 8  | BRS  | S12   | 1998    | (first second) near4 acoust\$6 same<br>acoust\$6 near5 (reflect\$5 deflect\$5)  |
| 9  | BRS  | S13   | 2844    | acoust\$6 near14 grating\$1   |
| 10 | BRS  | S14   | 36484   | transducer\$3 near14 acoust\$6  |
| 11 | BRS  | S15   | 14507   | (first second) near4 grating\$2   |
| 12 | BRS  | S16   | 10      | S8 and S9 and S10 and S11 and S12 and<br>S13 and S14 and S15  |
| 13 | BRS  | S17   | 9       | S16 and filter\$5   |
| 14 | BRS  | S18   | 9       | S17 and (wavelength\$4 near14 (tun\$4<br>shift\$5 adjust\$5 modif\$5 chang\$5))   |
| 15 | BRS  | S19   | 9       | S18 and mode\$1   |
| 16 | BRS  | S3    | 1       | 10/823191   |
| 17 | BRS  | S20   | 1       | S16 not S17   |
| 18 | BRS  | S21   | 255475  | (adjust\$5 tun\$4) same (reson\$5 mod\$2)   |
| 19 | BRS  | S22   | 17191   | (first second) near4 acoust\$6  |

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|----|------|-------|---------|--|
| 20 | BRS  | S23   | 46      | S8 and S21 and S22 and S13 and S14   |
| 21 | BRS  | S24   | 40773   | (first second) near4 grating\$2<br>gratings                                    |
| 22 | BRS  | S25   | 25      | S23 and S24  |
| 23 | BRS  | S26   | 15      | S25 not S16  |
| 24 | BRS  | S27   | 35303   | reson\$5 near7 (cavit\$5 mod\$4) same<br>mod\$4                                |
| 25 | BRS  | S28   | 136694  | (adjust\$5 tun\$4) near16 (reson\$5<br>mod\$2)                                 |
| 26 | BRS  | S29   | 3629181 | (half-wave halfwave plate\$2)  |
| 27 | BRS  | S30   | 1376866 | (gain\$4 amplif\$5)  |
| 28 | BRS  | S31   | 1999    | (first second) near4 acoust\$6 same<br>acoust\$6 near5 (reflect\$5 deflect\$5) |
| 29 | BRS  | S32   | 2851    | acoust\$6 near14 grating\$1  |
| 30 | BRS  | S33   | 36495   | transducer\$3 near14 acoust\$6   |
| 31 | BRS  | S34   | 14526   | (first second) near4 grating\$2  |
| 32 | BRS  | S36   | 255727  | (adjust\$5 tun\$4) same (reson\$5 mod\$2)                                      |
| 33 | BRS  | S37   | 17206   | (first second) near4 acoust\$6   |
| 34 | BRS  | S38   | 46      | S27 and S36 and S37 and S32 and S33  |
| 35 | BRS  | S39   | 40822   | (first second) near4 grating\$2<br>gratings                                    |
| 36 | BRS  | S41   | 15      | S40 not S35  |
| 37 | BRS  | S35   | 10      | S27 and S28 and S29 and S30 and S31<br>and S32 and S33 and S34                 |
| 38 | BRS  | S40   | 25      | S38 and S39  |
| 39 | BRS  | S42   | 62289   | reson\$5 same mod\$4   |
| 40 | BRS  | S43   | 714509  | (adjust\$5 tun\$4 shift\$5 chang\$5<br>control\$4) near16 (reson\$5 mod\$2)    |

|    | <b>DBs</b>                            | <b>Time Stamp</b> |
|----|---------------------------------------|-------------------|
| 20 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/05 20:09  |
| 21 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/05 20:09  |
| 22 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/05 20:10  |
| 23 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 11:27  |
| 24 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 11:56  |
| 25 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 11:56  |
| 26 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 11:27  |
| 27 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 11:27  |
| 28 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 11:58  |
| 29 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 11:27  |
| 30 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 11:27  |
| 31 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 12:00  |
| 32 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 11:27  |
| 33 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 11:27  |
| 34 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 11:27  |
| 35 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 11:27  |
| 36 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 11:38  |
| 37 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 11:55  |
| 38 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 19:23  |
| 39 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 11:56  |
| 40 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 11:57  |

|    | Type | Ref # | Hits  | Search Text  |
|----|------|-------|-------|--|
| 41 | BRS  | S44   | 2588  | (first second) near6 acoust\$6 same<br>acoust\$6 near6 (reflect\$5 deflect\$5)   |
| 42 | BRS  | S45   | 55    | S42 and S43 and S44 and S33 and<br>grating\$1  |
| 43 | BRS  | S46   | 40    | S45 not S40  |
| 44 | BRS  | S47   | 38    | S46 and filter\$4  |
| 45 | BRS  | S48   | 6     | S47 and (acoust\$5 near4 optic\$4<br>acoustooptic\$3 acousticoptic\$4<br>acoustoptic\$4 optoacoust\$5)                                   |
| 46 | BRS  | S49   | 6     | S47 and (acoust\$5 near7 deflect\$5)   |
| 47 | BRS  | S50   | 0     | S49 not S48  |
| 48 | BRS  | S51   | 37    | S47 and (acoust\$5 near7 (shift\$5<br>reflect\$5))   |
| 49 | BRS  | S52   | 32    | S51 not S48  |
| 50 | BRS  | S53   | 10242 | (acoust\$5 acoust\$5 near4 optic\$4<br>acoustooptic\$3 acousticoptic\$4<br>acoustoptic\$4 optoacoust\$5) near12<br>(crystal\$5 glass\$2) |
| 51 | BRS  | S54   | 25705 | (acoust\$5 acoust\$5 near4 optic\$4<br>acoustooptic\$3 acousticoptic\$4<br>acoustoptic\$4 optoacoust\$5) same<br>reson\$5                |
| 52 | BRS  | S55   | 181   | (S42 S43) and S53 and S54 and S33 and<br>grating\$2  |
| 53 | BRS  | S56   | 58    | S55 and (acoust\$5 near4 optic\$4<br>acoustooptic\$3 acousticoptic\$4<br>acoustoptic\$4 optoacoust\$5) near12<br>(crystal\$5 glass\$2)   |
| 54 | BRS  | S57   | 36    | S55 and (acoust\$5 near4 optic\$4<br>acoustooptic\$3 acousticoptic\$4<br>acoustoptic\$4 optoacoust\$5) same<br>deflect\$5                |
| 55 | BRS  | S58   | 29    | S57 not (S52 S48 S40)  |
| 56 | BRS  | S59   | 1     | "6031852".pn.  |
| 57 | BRS  | S61   | 19    | S55 and doppler\$1   |

|    | <b>DBs</b>                            | <b>Time Stamp</b> |
|----|---------------------------------------|-------------------|
| 41 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 11:59  |
| 42 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 12:03  |
| 43 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 12:07  |
| 44 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 12:18  |
| 45 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 12:51  |
| 46 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 12:29  |
| 47 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 12:28  |
| 48 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 12:29  |
| 49 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 12:30  |
| 50 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 12:58  |
| 51 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 12:57  |
| 52 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 12:58  |
| 53 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 12:59  |
| 54 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 13:00  |
| 55 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 16:38  |
| 56 | US-PGPUB; USPAT                       | 2006/06/06 15:17  |
| 57 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 15:19  |

|    | Type | Ref # | Hits | Search Text   |
|----|------|-------|------|---|
| 58 | BRS  | S62   | 3    | S61 and (shift\$4 doppl\$5) near7<br>oppos\$5   |
| 59 | BRS  | S60   | 1    | S59 and S58   |
| 60 | BRS  | S63   | 1    | S59 and (grating\$1 near14 angl\$4)   |
| 61 | BRS  | S64   | 1    | S59 and (acoust\$6 same shift\$5 near7<br>frequenc\$4)                                |
| 62 | BRS  | S65   | 1    | S59 and (grating\$1 near7 angul\$3)   |
| 63 | BRS  | S66   | 14   | ("6031852" "5128798" "4588296"<br>"20030219094" "6151427" "3774121"<br>"3696310").pn. |
| 64 | BRS  | S67   | 7    | ("6031852" "5128798" "4588296"<br>"20030219094" "6151427" "3774121"<br>"3696310").pn. |
| 65 | BRS  | S68   | 1    | 10/823191   |
| 66 | BRS  | S69   | 1    | S68 and grating\$2 near3 second near7<br>angle\$2 near9 incid\$4                      |

|    | <b>DBs</b>                            | <b>Time Stamp</b> |
|----|---------------------------------------|-------------------|
| 58 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 15:20  |
| 59 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 15:35  |
| 60 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 16:31  |
| 61 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 15:59  |
| 62 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 16:31  |
| 63 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 16:41  |
| 64 | US-PGPUB; USPAT                       | 2006/06/06 19:21  |
| 65 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 17:43  |
| 66 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/06/06 19:20  |